

ABSTRACT OF THE DISCLOSURE

Method and apparatus for altering a round trip delay measurement in a multiple subscriber carrier pair gain system to accurately position echo cancellation where the overall delay is measured by the near end modem and when this measurement is made, it is detected to alter local delays by bypassing filters and buffers to momentarily shorten the overall delay until the measurement is completed. Alternatively, the return signal is interrupted and the round trip delay response is simulated when a round trip delay measurement is being made. In this manner, the simulated signal is received at the originating end and used for delay measurement resulting in a shorter delay being measured.

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100 90 80 70 60 50 40 30 20 10 0